

Job:

```
{ "id": "kj3kj42k3n4k3n2fkj3fkj2",
  "customer": "Zoo",
  "start_date": "12.17.2016",
  "completion_date": "05.26.2017",
  "bid": "46750",
  "employees": ["/employees/saij32asdfn98dfas67df78asd8fasdf87", "/employees/bhui3ib3223n56in34bibju4"],
  "self": "/jobs/kj3kj42k3n4k3n2fkj3fkj2"
}
```

Employee:

```
{ "id": "saij32asdfn98dfas67df78asd8fasdf87",
  "first_name": "John",
  "last_name": "Smith",
  "hourly_wage": "19.50",
  "skills": ["masonry", "carpentry"],
  "jobs_assigned": ["/jobs/kj3kj42k3n4k3n2fkj3fkj2", "/jobs/hy78fds98sdfsa8df9sa8f7asd",
  "self": "/employees/saij32asdfn98dfas67df78asd8fasdf87"
}
```

Accessing Jobs - /jobs

- Get all jobs –
GET /jobs
Returns JSON list of all jobs
- Get job by ID-
GET /jobs/:job_id
Returns JSON of job specified by :job_id
- Get jobs with filter –
GET /jobs?:queryFilter=:queryParameter
Returns JSON list of all jobs where :queryFilter matches :queryParameter

Query Filters	
customer	Filter by customer name
start_date	Filter by start_date
completion_date	Filter by estimated completion_date
bid	Filter by bid amount
employees	Filter by assigned employees

- Create a job –
POST /jobs
Create a job, initialized with values from POST body. “customer” is required.
Any employees included will be automatically updated to have this job added to their jobs_assigned list

Body Input	Type	Description
customer	String	*Required. Customer name
bid	Float	Bid amount
start_date	String	Scheduled start date
completion_date	String	Estimated completion date
employees	List of strings	List of links to assigned employees

- Update a job –

PATCH /jobs/:job_id

Update fields for job indicated by :job_id, details to be updated must be included in the body parameters. Any employees included will be automatically updated with this job to their jobs_assigned list. Any employees removed as a result of the update will automatically be updated to remove this job from their jobs_assigned list.

Parameters: **NOTE: Only fields included in the patch request are updated. Anything left out will be unchanged

Body Input	Type	Description
customer	String	Name of customer or job
bid	Float	Amount of job bid
start_date	String	Date scheduled to start work
completion_date	String	Estimated date to complete job
employees	List of strings	List of links for employees that are assigned to the job

- Replace a job –

PUT /jobs/job_id

Replace a job, initialized with values from PUT body. customer is required.

Any fields left empty will be initialized to empty or default value.

Any employees included will be automatically updated with this job to their jobs_assigned list. Any jobs removed as a result of the update will automatically be updated to remove this job from their jobs_assigned list.

Body Input	Type	Description
customer	String	*Required. Customer name
bid	Float	Bid amount
start_date	String	Schedules start date
completion_date	String	Estimate completion date
employees	List of strings	List of links to assigned employees

- Delete a job –

DELETE /jobs/job_id

Deletes job indicated by job_id. If any employees assigned will remove job from their jobs_assigned list

Accessing Employees - /employees

- Get all employees –
GET /employees
Returns JSON list of all employees
- Get employee by ID-
GET/employees/:employee_id
Returns JSON of employee specified by :employee_id
- Get employees with filter –
GET /employees?:queryFilter=:queryParameter
Returns JSON list of all employees where :queryFilter matches :queryParameter

Query Filters	
first_name	Filter by first name
last_name	Filter by last name
hourly_wage	Filter by hourly wage
skills	Filter by skill
jobs_assigned	Filter by assigned jobs links

- Create an employee –
POST /employees
Create an employee, initialized with values from POST body. first_name and last_name are required.
Any jobs included will be automatically updated to have this employee added to their employees list

Body Input	Type	Description
first_name	String	*Required. First name of employee
last_name	String	*Required. Last name of employee
hourly_wage	Float	Hourly wage of the employee
skills	List of strings	List of employees skills
jobs_assigned	List of strings	List of links to the jobs the employee is currently assigned to

- Update an employee –

PATCH /employees/:employee_id

Update fields for employee indicated by :employee_id, details to be updated must be included in the body parameters. Any jobs included will be automatically updated with this employee to their employees list. Any jobs removed as a result of the update will automatically be updated to remove this employee from their employees list.

Parameters: **NOTE: Only fields included in the patch request are updated. Anything left out will be unchanged

Body Input	Type	Description
first_name	String	First name of employee
last_name	String	Last name of employee
hourly_wage	Float	Hourly wage of the employee
skills	List of strings	List of employees skills
jobs_assigned	List of strings	List of links to the jobs the employee is currently assigned to

- Replace an employee –

PUT /employees/employee_id

Replace an employee, initialized with values from PUT body. first_name and last_name are required.

Any fields left empty will be initialized to empty or default value.

Any jobs included will be automatically updated with this employee to their employees list. Any jobs removed as a result of the update will automatically be updated to remove this employee from their employees list.

Body Input	Type	Description
first_name	String	*Required. First name of employee
last_name	String	*Required. Last name of employee
hourly_wage	Float	Hourly wage of the employee
skills	List of strings	List of employees skills
jobs_assigned	List of strings	List of links to the jobs the employee is currently assigned to

- Delete an employee –

DELETE /employees/employee_id

Deletes employee indicated by employee_id. If assigned to any jobs, this employee will be removed from the job's "employees" list

